FORM PTO-1449				Atty Docket	Applic	Application No.				
Information disclosure statement				KAW 104	To Be	To Be Assigned				
				Applicant						
				Yukio SHAKUDA, Yukio MATSUMOTO and Nobuaki OGURO						
				Filing Date	Group	Group Unit				
				October 10, 2003	To Be	To Be Assigned				
			U.S. F	ATENT DOCUMENTS						
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486	Gardner et al., 14x efficiency improvement in transparent-substrate (Al _x Ga _{1-x}) _{0.5} In _{0.5} P light-emitting diodes with thin (≤ 2000Å) active regions; April 12, 1999; Applied Physics Letters; Volume 74 No. 15; p2230-2232									
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INFORMATION DISCLOSURE STATEMENT				KAW 104	10/682,518								
				Applicant Yukio SHAKUDA et al.									
				Filing Date October 10, 2003	Group 2871								
U.S. PATENT DOCUMENTS													
Examiner Initial		Document Number	Date	Name	Class	Sub- Class	Filing Date						
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wa	Al	2001-185756	07/06/2001	JAPAN			Abstract						
	AJ	55-91890	07/11/1980	JAPAN			Abstract						
4	AK	02-146779	06/05/1990	JAPAN			Abstract						
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citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.